Applied Acoustics **33** (1991) 339–340

CONTENTS OF VOLUME 33

Number 1

Ten Years of Experience with Leak Detection by Acoustic Signal Analysis . 1
H. V. FUCHS & R. RIEHLE (FRG)

Sound Insulation of a Rectangular Thin Membrane with Additional Weights . 21
NORIHISA HASHIMOTO, MITSUHIRO KATSURA,
MASAHITO YASUOKA & HIROYOSI FUJII (Japan)

Noise Radiation of (Rectangular) Plane Sources 45
DIETER HOHENWARTER (Austria)

Restricted Geometry Acoustic Arrays for Highly Directional Patterns . . 63
A. A. (LOUIS) BEEX & VICTOR E. DEBRUNNER (USA)

Book Review 79

Calendar 81

Number 2

Backscattering of Sound Pulses by Elastic Bodies Underwater 87
DONALD BRILL, GUILLERMO GAUNAURD (USA),
HANS STRIFORS (Sweden) & WILLIAM WERTMAN (USA)

Effects of Meteorological Conditions and Source Height on Sound Propagation near the Ground 109
CONNY LARSSON & SVEN ISRAELSSON (Sweden)

A Miniature Dummy Head for Binaural Evaluation of Tenth-Scale Acoustic Models. 123
NING XIANG & JENS BLAUERT (FRG)

Free Vibrations of a Timoshenko Beam of Non-uniform Cross-Section Elastically Restrained Against Translation and Rotation at Both Ends 141
R. H. GUTIERREZ (Argentina)

Technical Note

Numerical Experiments on a Vibrating Triangular Plate of Non-uniform Thickness 153
V. H. CORTINEZ, P. A. A. LAURA, A. BERGMANN &
R. CARNICER (Argentina)

Applied Acoustics (**33**) (1991)—© 1991 Elsevier Science Publishers Ltd, England. Printed in Great Britain

Letters to the Editors 161

Calendar 163

Number 3

A Simple and Effective Correction for Phase Mis-match in Intensity Probes . 165
F. JACOBSEN (Denmark)

A Procedure, Combining Objective and Subjective Techniques, to Measure the Level-Dependent Attenuation of Electronic Amplitude-Sensitive Earmuffs . . 181
A. DAMONGEOT, A. KUSY (France) & B. H. PFEIFFER (FRG)

The Fast Field Program (FFP). A Second Tutorial: Application to Long Range Sound Propagation in the Atmosphere 199
M. WEST, R. A. SACK & F. WALKDEN (UK)

Technical Note
Sound Systems for High Definition Television 229
D. J. MEARES (UK)

Letter to the Editors 245

Calendar 247

Number 4

The Sound Insulation of Timber Platform Floating Floors in the Laboratory and Field 249
L. C. FOTHERGILL & P. ROYLE (UK)

Statistical Analysis of Field Data of Railway Noise and Vibration Collected in an Urban Area 263
YOHZOH OKUMURA & KAZUHIRO KUNO (Japan)

In-Situ Acoustical Investigations of Deep Snow 281
H. M. MOORE, K. ATTENBOROUGH (UK), J. ROGERS & S. LEE (USA)

Development of Area-Based Methods for Predicting Ambient Noise . . . 303
S. J. BAVERSTOCK, R. L. POCOCK & K. ATTENBOROUGH (UK)

Universal Prediction Schemes for Estimating Flow-Induced Industrial Pipeline Noise and Vibration 313
M. P. NORTON & A. PRUITI (Australia)

Calendar 337